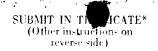
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



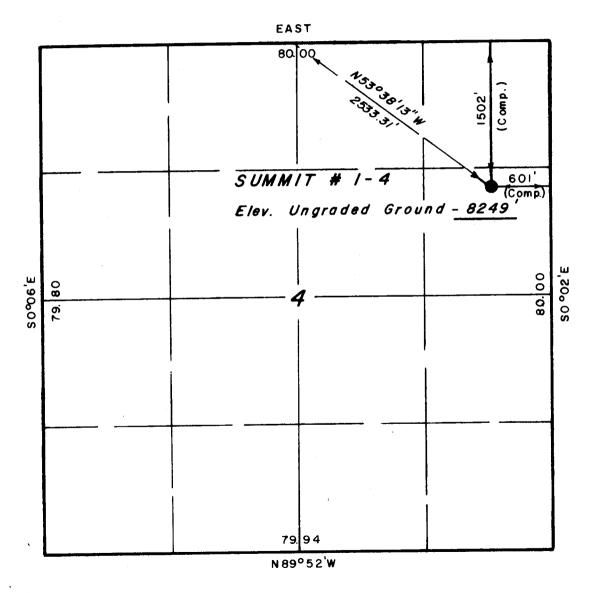
PATENTED

5. Lease Designation and Serial No.

1a. Type of Work			RILL, DEEPE				
b. Type of Well	DRILL KX	DEEPE	EN 🗌	PLUC	BACK [7. Unit Agreement N	ame
Oil KK	Gas Well	Other		Single XX	Multiple Zone	8. Farm or Lease N	ame
2. Name of Operat						SUMMIT	
3. Address of Ope	O DEVELOPME	ENT CORPORA	ATION			9. Well No.	
	BOX X, VI	ERNAT. HTTAI	H 84078			$\frac{1-4}{10. \text{ Field and Pool, o}}$	r Wildcat
	ell (Report location clea			requirements.*)		WILDCAT	
At surface				,		11. Sec., T., R., M.,	or Blk.
At proposed pr	02' FNL & 6	out fer St	ਦ ∕ ਅ ਦ			and Survey or A	4, TlN, R
14. Distance in m 16 1/2	iles and direction from miles S/E	of Coalvil	t office*	·····		12. County or Parris	h 13. State
15. Distance from				. of acres in lease	17 No	SUMMIT of acres assigned	UTAH
location to ne	arest		•	•		is well	
(Also to neare	st drlg. line, if any) proposed location*	601'		835.09	20 Pote	320	
to nearest wel	l, drilling, completed, on this lease, ft.			400'	_		•
	ow whether DF, RT, G	R, etc.)	0	400	RC	otary 22. Approx. date v	vork will start*
	8249' GL				Ju	ıly 15, 198	
23.		PROPOS	ED CASING AND	CEMENTING PR		,	
Size of Ho	le Size of	Casing We	ight per Foot	Setting Dept	n	Quantity of Cen	nent
17 1/	2" 13 3	3/8"	54.5#	600'		Cement to	surface
8 3/	4" 5]	1/2"	17#	8400'		Sufficient	
						cover 200'	
	13 Grant (20) 7 (20)			بعد مب	75	most hydro	carbon zo:
SEE ATT	'ACHMENTS FO	JR:		•	4555		
	(1)) 10 Point	Program		APPRO	VED BY TH	IE STATE
	(2)		n Layout		OF L	TAH DIVIS	ON OF
	(3)	•	-	onece.	OIL,	GAS, AND I	MINING
			os A & B		DATE:	5-28-8	21
	(4)		•			and a	
			n Plat		HY· /		
	(4)		n Plat		BY:	M. J. Mill	nder
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it is	(4) (5) ocation doe 182' South) Location es not conf of the NE/	Form to t /NE quart	er sectio	of Utah	Exception	to the ru
it is is req	(4) (5) ocation doe 182' South quested due) Locationes not conformal of the NE, to the geo	Form to t NE quart	er sectic ognosis w	of Utah on line. which ind	Exception licates thi	to the ru s to be
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wishes of the landowner and to keep location cost at a minimum.

TIN, RTE, S.L.B. & M.



X = Section Corners Located

PROJECT

BELCO PETROLEUM CORP.

Well location, SUMMIT # 1-4, located as shown in the SEI/4 NEI/4 Section 4, TIN, R7E, S.L.B.& M. Summit County, Utah.

NOTE :

Basis of Bearings is from Solar Observations of the Sun.

Elev. Ref. Point 200' N42°08'37" E = 8279.72'

" " 250' " = 8291.10' " " 200' \$ 47°51'23"E = 8235.90'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION № 2454

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL. UTAH - 84078

SCALE " = 1000	DATE 12/24/79	
D.A. K.H. M.H. S.B.	REFERENCES GLO Plat	
WEATHER Fair / Cool	BELCO PETRO.	

. GEOLOGIC SURFACE FORMATION:

Wanship- Evanston

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Upper Jurassic 4200'
Stump 4300'
Pruess 4800'
Twin Creek 6250'
Nugget 7900'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Upper Jurassic Possible oil & gas
Stump Possible oil & gas
Pruess Possible oil & gas
Twin Creek Oil-secondary objective

Nugget Oil-primary objective

4. PROPOSED CASING PROGRAM:

a) Surf Csg: 13 3/8" 54.5#, K-55 to 600', cement to surface

b) Prod Csg: 5 1/2" 11.6#, K-55 to TD, will use enough cement to cover 200' above uppermost hydrocarbon zone.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows: 10", 3000 PSI hydraulic doublegate BOP or the equivalent. Pressure tests of BOP to 1000# will be made prior to drilling surface plug and on each trip for bit.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole will be drilled to approx. 4000' with 3% KCL water in order to clean the hole. From 4000' to TD it is planned to drill the well with mud. The mud system will be a water based, gel-chemical mud, weighted up to 10.5 ppg as required for gas control.

7. AUXILIARY EQUIPMENT TO BE USED:

Auxiliary equipment to be used will be a 2", 2000 PSI choke manifold and kill line, stabbing valve, kelly cock and visual mud monitoring.

8. TESTING, LOGGING AND CORING PROGRAMS:

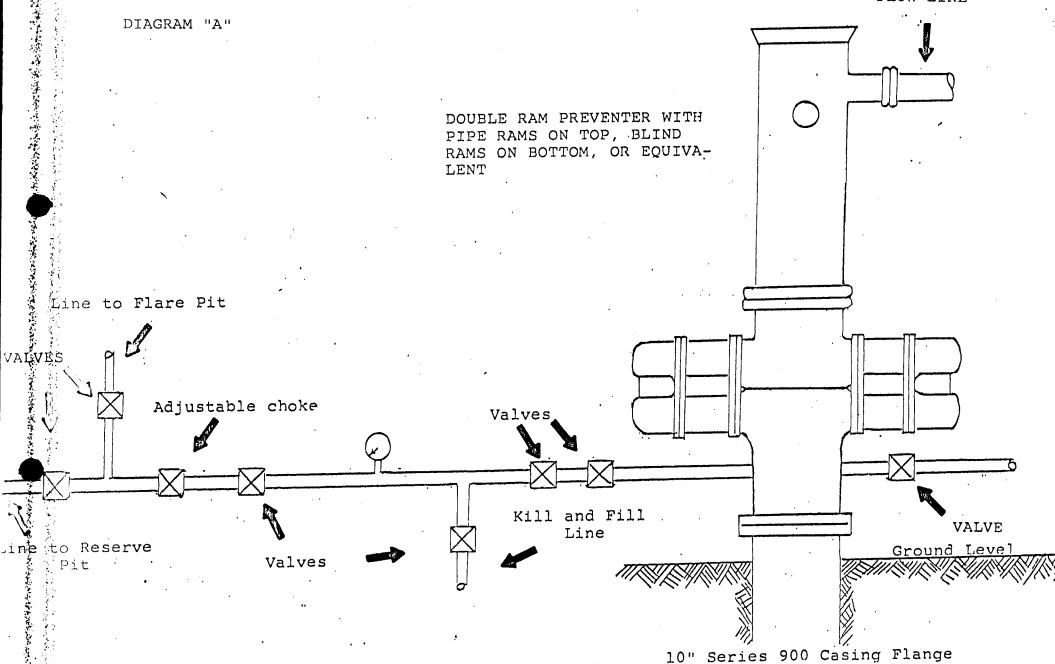
No coring or drill stem testing has been scheduled for this well. DST's may be run on significant shows. Logs will consits of DLL, CNL, FDC and GR w/caliper.

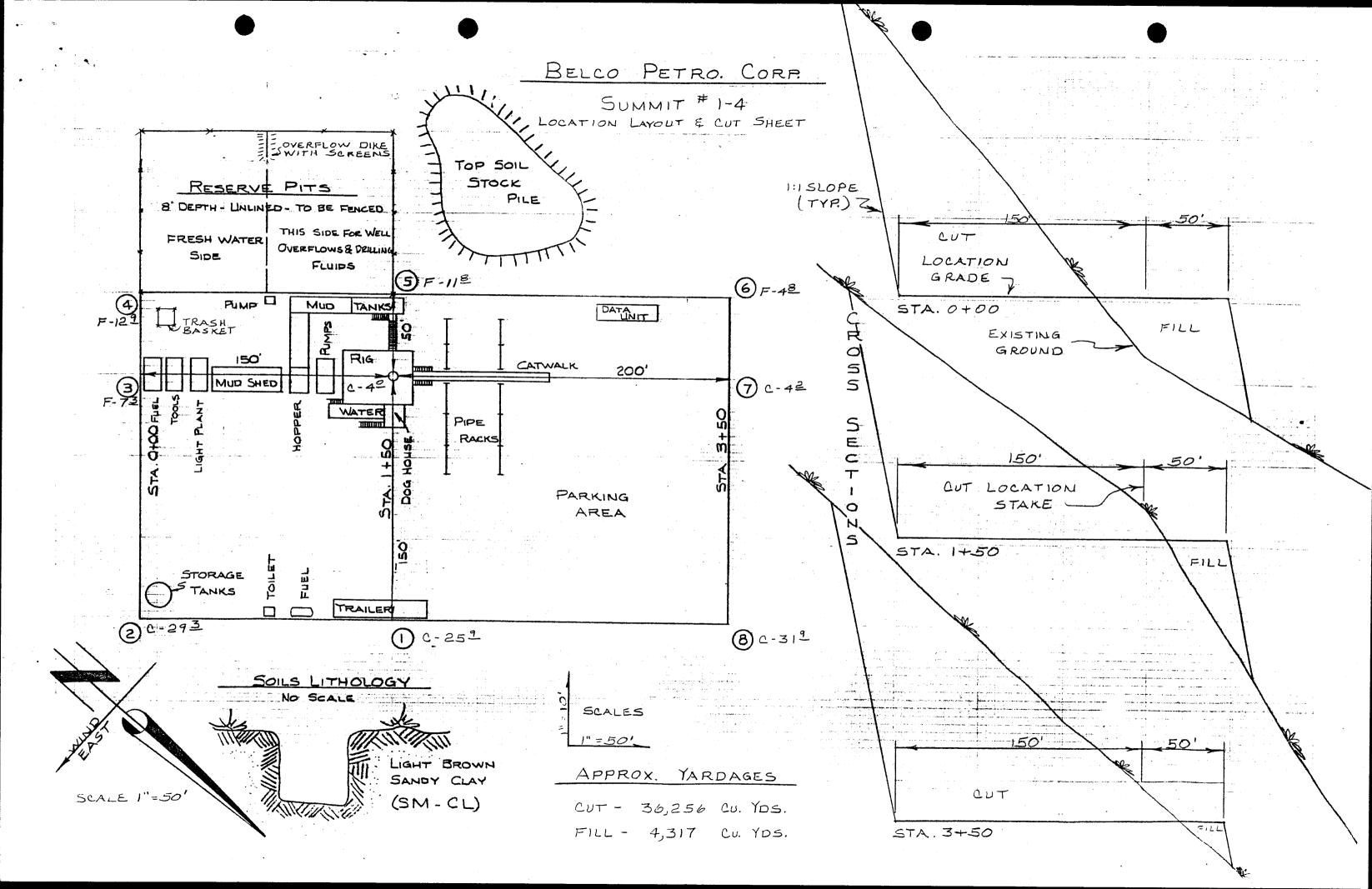
9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered, nor that any other abnormal hazards such as ${\rm ^{H}{}_{2}S}$ gas will be encountered.

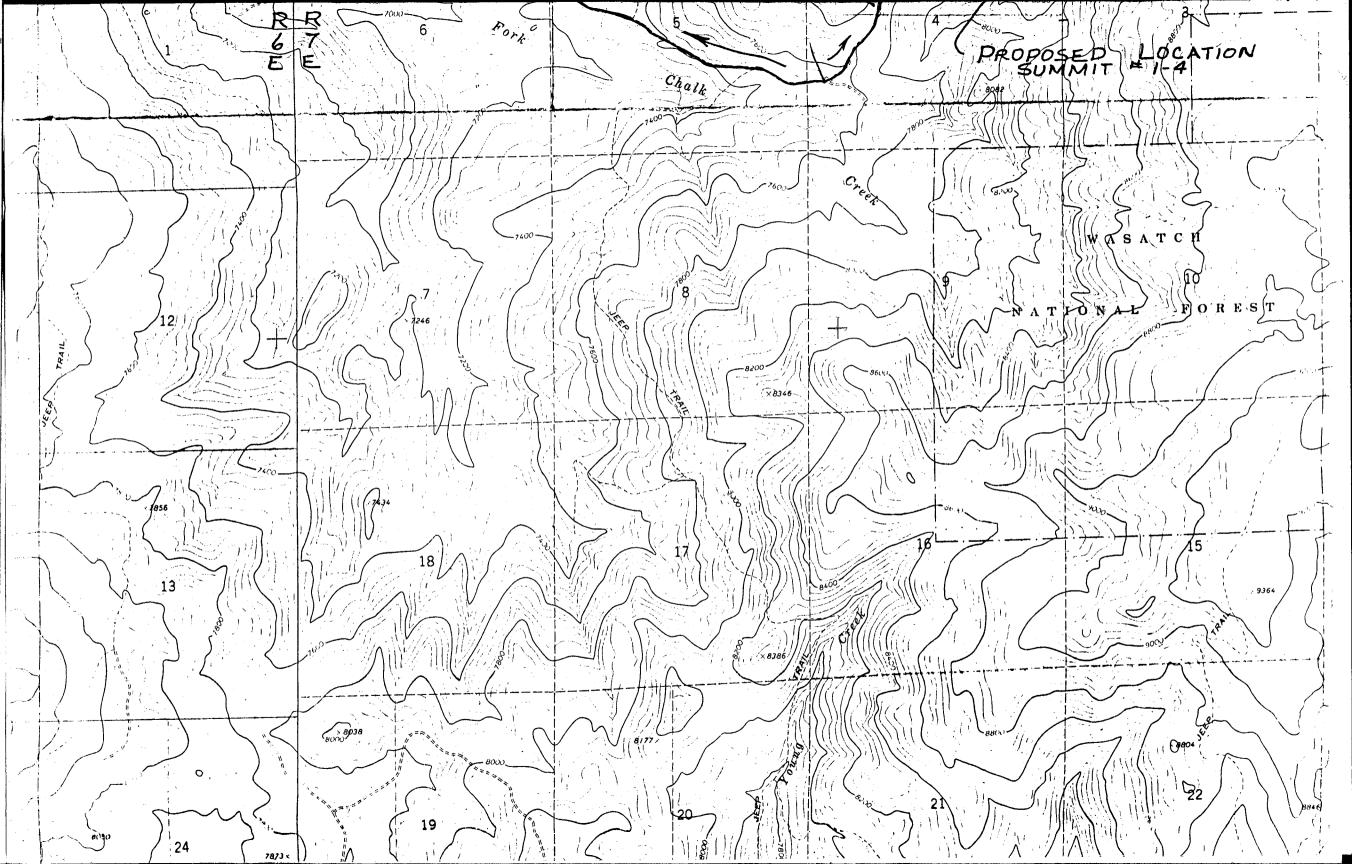
10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

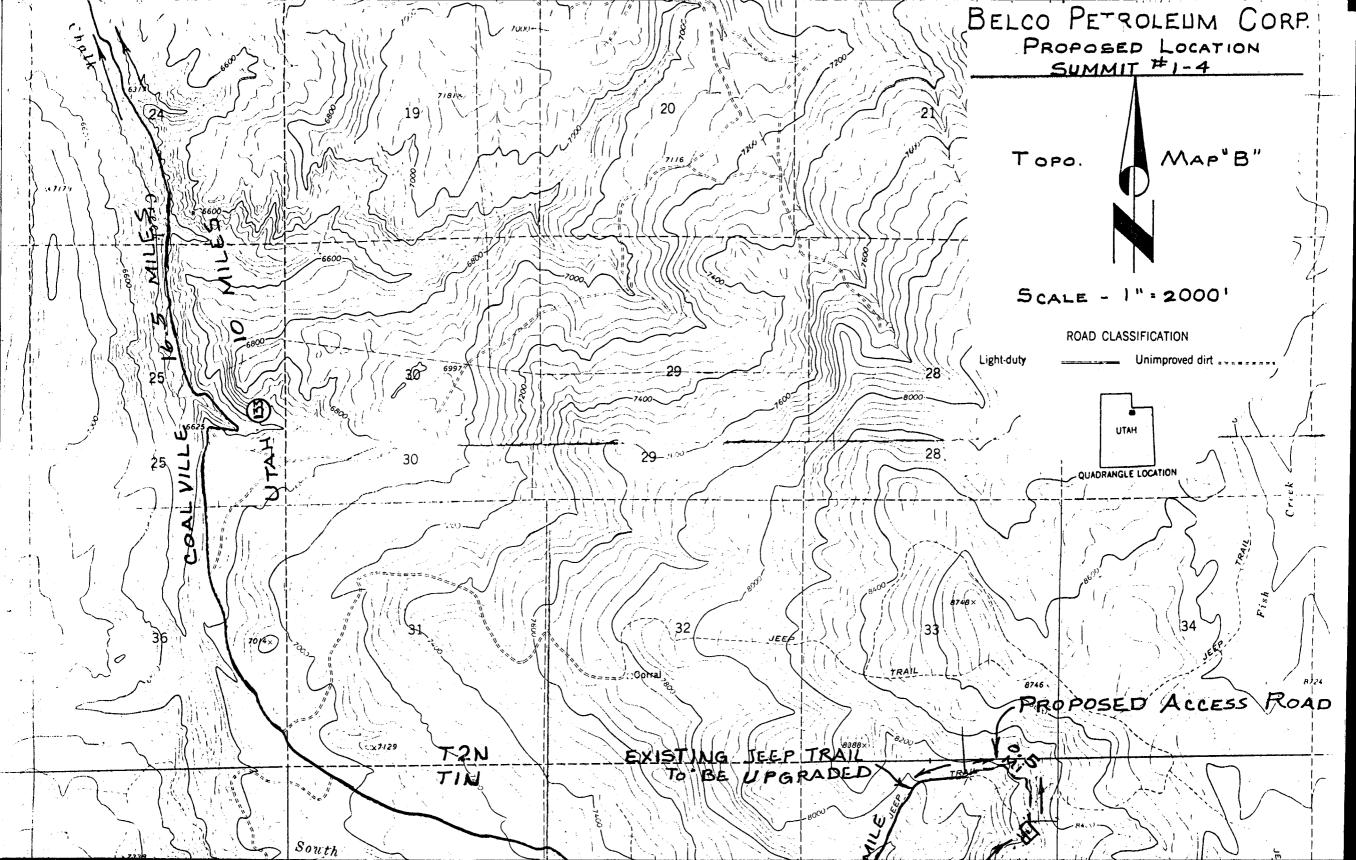
Anticipated starting date is 7-15-81. Drilling operations should be complete 2 1/2 weeks after they commence.

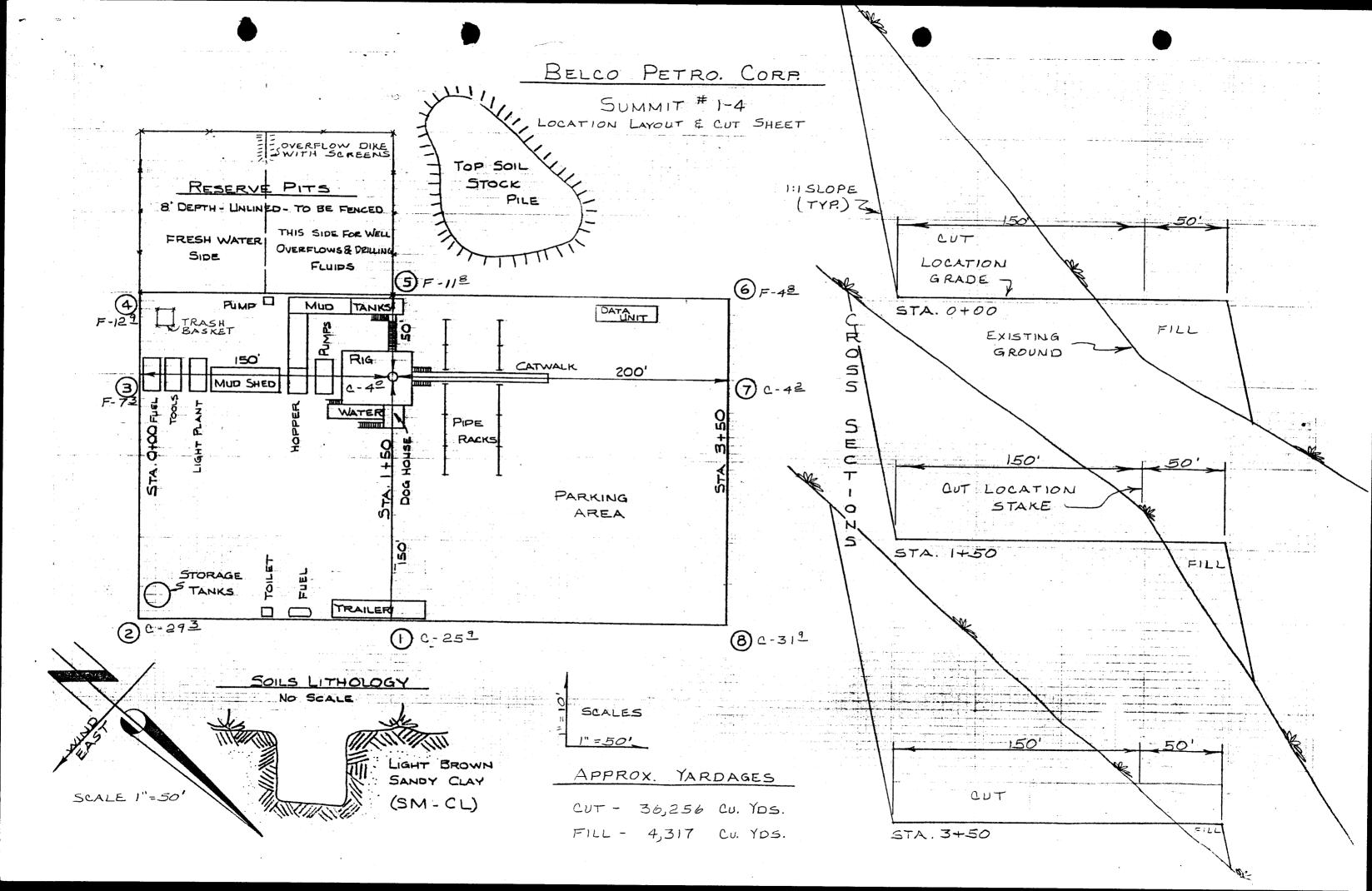






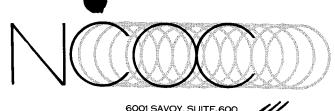






DATE: May 7, 1981
OPERATOR: BELCO DEVELOPMENT CORP
WELL NO: Summit 1-4
Location: Sec. 4 T. 1 N R. 75 County: Summit
File Prepared: [I] Entered on N.I.D:
Card Indexed: Completion Sheet:
API Number 43-043-30171
CHECKED BY:
Petroleum Engineer: 11. J. Minder 5-28-8/ Per Call (5-7-87) J. Ball Will send request for type street & 640'
Director:
Administrative Aide: C-30 pacing North Melander Melander of Hyas weeks.
APPROVAL LETTER:
Bond Required: / Survey Plat Required: / /
Order No O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site
Lease Designation Self Plotted on Map
Approval Letter Written
Hot Line P.I.

NORTH CENTRAL OIL CORPORATION



6001 SAVOY. SUITE 600 HOUSTON. TEXAS 77036

May 11, 1981

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1588 West North Temple Salt Lake City, Utah 84116

Attn: Mr. Mike Minder

Re: Spacing Waiver

Belco Development Corporation

Summit No. 1-4

Section 4, TlN, R7E, SE/NE

Summit County, Utah

Gentlemen:

North Central Oil Corporation, as offset lease owner, grants a spacing waiver to Belco Development Corporation for the drilling of the subject well, which is to be located 1502' FNL and 601' FEL of Section 4, TlN, R7E, Summit County, Utah.

If I can be of any further assistance, please call.

Sincerely yours,

NORTH CENTRAL OIL CORPORATION

CEH/jj

C. E. Hackstedt

Chief - Drilling and Producing Operations

cc: Mr. Jerry Ball

Belco Development Corporation

Box X

Vernal, Utah 84078

MAY 1.5 186

DIVISION OF OIL, GAS & MINING

Attention: Mr. Mike Minder

Iroquois Oil and Gas

Belco's proposed Summit 1-4 well located 1502' FNL and 601' FEL, Section 4, Tln, R7E, Summit County, Utah has no objection to Belco drilling this well at the described location.

IROQUOIS OIL & GAS CORP.

Robert L. Magnie

Executive Vice President

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINING



DIVISION OF	OIL, GAS, AND M	INING	5. LEASE D	ESIGNATION AND SERIAL NO.
			Pate	nted
SUNDRY NOTICES A (Do not use this form for proposals to dr Use "APPLICATION FO	AND REPORTS Ill or to deepen or plug DR PERMIT—" for such	ON WELLS back to a different reservoir. proposals.)	6. IF INDIA	N, ALLOTTEE OR TRIBE NAME
OIL GAS OTHER			7. UNIT AG	REEMENT NAMB
2. NAME OF OPERATOR			8. FARM OR	LEASE NAME
BELCO DEVELOPMENT CORPOR	RATTON		SUMM	
B. ADDRESS OF OPERATOR			9. WELL NO	
PO BOX X VERNAL, UTAL LOCATION OF WELL (Report location clearly and See also space 17 below)	1 84078		1-4	
At surface			10. FIELD A	ND POOL, OR WILDCAT
1502' FNL	& 601' FEL	SE/SE	WILDO	
			II. SEC., T.	, R., M., OR BLE. AND BY OR AREA
			Sec	4, T1N, R7E
4. PERMIT NO. 15. BLE	VATIONS (Show whether D	F, RT, GR, etc.)		OR PARISH 18. STATE
	249' GL		SUMM:	1
6. Check Appropriat	le Box To Indicate 1	Nature of Notice, Report,	or Other Data	
NOTICE OF INTENTION TO:			BSEQUENT REPORT	DF:
TEST WATER SHUT-OFF PULL OR A	LTER CASING	WATER SHUT-OFF		REPAIRING WELL
FRACTURE TREAT MULTIPLE	COMPLETE	FRACTURE TREATMENT		LITERING CASING
SHOOT OR ACIDIZE ABANDON*	·	SHOOTING OR ACIDIZING		BANDONMENT*
REPAIR WELL CHANGE PL		(Other)		
(Other) Well Spa		(NOTE: Report re	sults of multiple completion Report	ompletion on Well and Log form.)
7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (proposed work. If well is directionally drille nent to this work.) *	ed, give subsurface loca	it details, and give pertinent di tions and measured and true v	lates, including est ertical depths for	mated date of starting any all markers and zones perti-
Beico Wisnes to change	e the propose	ed TD from 8400	' to 10,20	00'. Also.
it is requested that a	an unorthodo:	x location be gi	ranted for	topography
reasons. An orthodox	location is	not feasible in	n this qua	arter quarter
section. Waivers from	offset leas	seholds have bee	en request	ed. They are
OPERATOR		LEASE		
North Central Oil Corp), ,	NE/4 $NE/4$	Sec 4	T1N R7E
Iroquois Oil and Gas		NE/4 $NE/4$	Sec 4	T1N R7E
Schamplain Pet. Co.	/	NE/4 NE/4	Sec 4	T1N R7E
American Quasar Pet. C	·o	NE/4 NE/4	Sec 4	T1N R7E
CAMOCO		NW/4	>5e q (3 //] =	T1N R7E
AP PROVED BY THE S			~ €	4
OF UTAH DIVISION	I OF	MA	Y 1 9 1381	
IL, GAS, AND MIN	ING		100.	
F. 5-22-81	•	Du	(C) (C)	
Med Mi.		רוו ט זומ	VISION OF	
July Mund		SIL, G	AS & MINING	
8. I hereby certify that the foregoing is true and	correct		· · · · · · · · · · · · · · · · · · ·	
SIGNED CELL	TITLE		DATE	
(This space for Federal or State office use)	· DI	STRICT ENGINEER		5-18-81
47-043-301	m /			
APPROVED BY	TITLE		DATE	

Attention: Mr. Mike Minder

Champlain Petroleum Company as owner of offset acreage, Belco's proposed Summit 1-4 well located 1502' FNL and 601' FEL, Section 4, Tln, R7E, Summit County, Utah has no objection to Belco drilling this well at the described location.

CHAMPLIN PETROLEUM COMPANY

By Frank & Me ate

Date

May 19, 1981

MAY 22 1991

DIVISION OF OIL, GAS & MINING

Attention: Mr. Mike Minder

Amoco Production Company as owner of offset acreage, Belco's proposed Summit 1-4 well located 1502' FNL and 601' FEL, Section 4, Tln, R7E, Summit County, Utah has no objection to Belco drilling this well at the described location.

5-21-81

MAY 2 6 188

DIVISION OF OIL, GAS & MINING

Attention: Mr. Mike Minder

American Quasar Petroleum as owner of offset acreage, Belco's proposed Summit 1-4 well located 1502' FNL and 601' FEL, Section 4, Tln, R7E, Summit County, Utah has no objection to Belco drilling this well at the described location.

F. W. McWilliams Division Land Manager

MAY 20 Well

DIVISION CF CIL, GAS & MINING June 5, 1981

Belco Development Corporation P. O. Box X Vernal, Utah 84078

Re: Well No. Summit #1-4
Sec. 4, T. 1N, R. 7E, SE NE
Summit County, Utah

Insofar as this office concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to <u>immediately</u> notify the following:

MICHAEL T. MINDER - Petroleum Engineer Office: 533-5771 Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-043-30171.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder Petroleum Engineer

MTM/ko cc:

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING



DIV	ISION OF OIL, GAS, AND MI	NING	5. LEASE DESIGNATION AND SERIAL NO.
			PATENTED
Use "APP	OTICES AND REPORTS (coposals to drill or to deepen or plug LICATION FOR PERMIT—" for such p	ON WELLS pack to a different reservoir. roposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS OTHE	R	600	7. UNIT AGREEMENT NAME
NAME OF OPERATOR	UE CODDODAETON		8. FARM OR LEASE NAME
BELCO DEVELOPMEN ADDRESS OF OPERATOR	NI CORPORATION		SUMMIT S. WELL NO.
P.O.BOXX, VE	RNAL, UTAH 84078	Q A G	1-4
See also space 17 below.) At surface	on clearly and in accordance with any	State requirements.	10 FIELD AND POOL, OR WILDCAT
35001 BNI 0 (03)		CAS O	WY LDCAT
1502' FNL & 601	' FEL SE/NE	30	RVBY OR AREA
. PERMIT NO.	15. ELEVATIONS (Show whether DF	12 "	SEC. 4, TlN, R7E
43-043-30171	8242' Prep GL	, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
		ighter of the system of	SUMMIT UTAH
NOTICE OF IN	Appropriate Box To Indicate N		
TEST WATER SHUT-OFF		SUBA	SEQUENT REPORT OF:
FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING WELL
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ALTERING CABING ABANDONMENT®
REPAIR WELL	CHANGE PLANS	(Other) SPUD	
(Other)		(NOTE: Report resi	ults of multiple completion on Well mpletion Report and Log form.) tes, including estimated date of starting an tical depths for all markers and zones pert
DATE & TIME SPUI SPUDDED BY: Spudded a 12 1/2		#12 (ROTARY SPUI	/2" and 13 3/8"
		-	n 10:30 a.m. 7-8-81.
. I hereby certify that the foregoin	a la fina and connect		
		J. C. Ball	
signed John e Nel's	3011	trict Engineer	DATE 7-8-81
(This space for Federal or State	office use)		
APPROVED BY	TITLE		DATE
CONDITIONS OF APPROVAL, II	ANI:		

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Belco Development	
WELL NAME: Summit #1-4	
SECTION SE NW 4 TOWNSHIP IN RANGE	7E COUNTY Summit
DRILLING CONTRACTOR Brinkerhoff Signal	
RIG #12	
SPUDDED: DATE 7-8-81	
TIME 12:30 a.m.	
How rotary	
DRILLING WILL COMMENCE	<u>-</u>
REPORTED BYLauni	_
TELEPHONE # 801-789-0790	<u>-</u>
ΠΔΤ F 7–8–81	CICNED DR

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES



OIL GAB WELL OTHER OIL WELL WELL WELL OTHER 2. NAME OF OPERATOR BELCO DEVELOPMENT COR 8. ADDRESS OF OPERATOR P. O. BOX X, VERNAL, 4. LOCATION OF WELL (Report location See also space 17 below.) At surface 1502' FNL & 60	UTAH 84078 clearly and in accordance with a 1' FEL SE ¹ / ₄ NE ¹ / ₄ 16. BLEVATIONS (Show whether 8242' PREP GL, 8	AUG 0 4 DIVISION OIL, GAS & Many State requirements.	SUMMIT SUMMIT WILL NO. MINING 1-4 10. FIELD AND FOOL, OR WILDCAT 11. BEC., T., E., M., OR BLE. AND EURVEY OF ARBA SEC. 4, TIN, R7E
OIL WELL WELL OTHER 2. NAME OF OPERATOR BELCO DEVELOPMENT COR 3. ADDRESS OF OPERATOR P. O. BOX X, VERNAL, 4. LOCATION OF WELL (Report location See also space 17 below.) At surface 1502' FNL & 60 143-043-30171 16. Check A NOTICE OF INTE TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) 7. DESCRIBE PROPOSED OR COMPLETED OF proposed work. If well is direct nent to this work.)*	PORATION UTAH 84078 clearly and in accordance with a 1' FEL SETNET 16. BLEVATIONS (Show whether 8242' PREP GL, 8	AUG 0 4 DIVISION OIL, GAS & M any State requirements.*	8. PARM OR LEASE NAME SUMMTT 9. WELL NO. MINING 1-4 10. FIELD AND POOL, OR WILDCAT WILDCAT 11. SEC., T., B., M., OR BLE. AND SEC. 4, TIN, R7E
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(Other) 7. DESCRIBE PROPOSED OR COMPLETED OF Proposed work. If well is direct nent to this work.) *	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT* STATUS REPORT
7. DESCRIBE PROPOSED OR COMPLETED OF proposed work. If well is direct nent to this work.) *	CHANGE PLANS	(01,,,,,	results of multiple completion on Well
			DII 111. ZJJO .
SIGNED CONNIE NELSON (This space for Federal or State of	elson TITLE DI	DR J. C. BALL STRICT ENGINEER	DATE _8-3-81

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING



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APPROVED BY TITLE DATE		\	NGINEERING CLERK	DATE SEPT 15, 198
	APPROVED BY	TITLE		DATE

DIVISION OF OIL, GAS AND MINING

<u>PLUGGING PROGRAM</u>

•	
NAME OF COMPANY: BELCO	JERRY BALL
WELL NAME: Summit 1-4	
SECTION 4 TOWNSHIP 1N	RANGE COUNTYSummit
VERBAL APPROVAL GIVEN TO PLUG AND ABOMANNER:	VE REFERRED TO WELL IN THE FOLLOWING
TOTAL DEPTH: 8225'	
CASING PROGRAM:	FORMATION TOPS:
13 3/8" @ 2359' Cemented to surf.	Wasatch Surf. Stump 7878' Echo 2700' Crct to 8064' Kelvin 5458'
	No DST, Cores, Water or Shows.
PLUGS SET AS FOLLOWS:	
1.) 8100'-8000' 2.) 7925'-7825' 3.) 5500'-5400' 4.) 2450'-2250' 5.) 50-surf.	Place 9.2#, 50 vis fresh water gell based abandonment mud between plugs; clean, restore and regrade site, erect regulation dryhole marker, and notify this Division when the location is prepared for inspection

דאת

9-20-81

SIGNE

M.T.M. Miles

cc: Belco

STATE OF UTAH

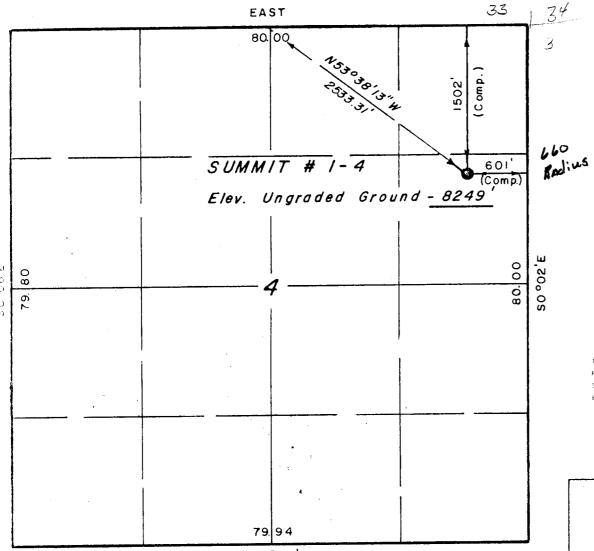
SUBMIT IN DUPLICATE*
(See other in-

	OIL & G	AS CON	SERVA	TION COI	MMISSION		structions on reverse side)		SIGNATION AND SERIAL
WELL CO	MPLETION	N OR RI	FCOMI	PI FTION	REPORT	AND I	OG *	PATENTE 6. IF INDIAN,	CD, ALLOTTEE OR TRIBE NA
1a. TYPE OF WEI	LL: 01	т 🗀 (GAS WELL	DRY .	Other W			7. UNIT AGRE	GEMENT NAME
b. TYPE OF COM	WORK D	EEP-	PLUG	DIFF.	on Dit	10 30 SA	DAMA ON	S. FARM OR	I IVA CIVI. NA AREW
2. NAME OF OPERA		<u>.</u>	BACK	RESVR.	Other PLI	HG - St. A	BANDON	SUMMIT	LLASE NAME
	DEVELO	PMENT (CORPO	RATION	- 20	A STATE OF THE STA		9. WELL NO.	
3. ADDRESS OF OPE		T D TA CI CI CI	TTOOAT	II Oliona		a 9, 4	1981	1-4	
4. LOCATION OF WE	BOX X,	VERNAL, tion clearly	nd in acce	H 84078	ny State requir	ements)*		TO. FIELD AND	D POOL, OR WILDCAT
At surface	1502' F	NL & 60)1' FI	EL (SE/N	1E)	- 1	IN OF IN	11. SEC., T., F	R., M., OR BLOCK AND SURV
At top prod. in	terval reported 1	pelow	I	N/A		DIVISI	S WIMING	UR AREA	D POOL, OR WILDCAT B., M., OR BLOCK AND SURV TIN, R7E
At total depth			1	N / Λ		JIL, GAR	, ,	ara)ı	min non
			ĺ	14. PERMIT NO),	DATE ISSUE	D	SEC 4, 12. COUNTY O PARISH	OR 13. STATE
· F				43-043-3	30171	5 - 28-	81	SUMMIT	UTAH
5. date spudded 6-29-81 dr	ત્રં∨		.7. DATE C	OMPL. (Ready	to prod.) 18.			T, GR, ETC.)*	19. ELEV. CASINGHEAD
7-07-81 R 20. TOTAL DEPTH, MD	9-19. & TVD 21. PI	-81 Jug, back t.d.	, MD & TVD	22. IF MU	LTIPLE COMPL.	824 <u>2</u> 1 23 .	GL INTERVALS	ROTARY TOOL	82421
8225'		0'		How 1	MANY* N/A		DRILLED BY	ALL	
24. PRODUCING INTE	RVAL(S), OF THI	S COMPLETIO	N—тор, в	OTTOM, NAME (MD AND TVD)*			<u>unn</u>	25. WAS DIRECTIONAL SURVEY MADE
26. TYPE ELECTRIC	AND OTHER LOGS	RUN			 				NO 27. WAS WELL CORED
DIP METER	TO 8135	. CALI	TPER.	DLL) SO	ONTC. GA	CAMM	CNL & I	· · · · · · ·	NO
28.			CASING	RECORD (Re					
CASING SIZE	WEIGHT, LE		PTH SET (·	OLE SIZE		CEMENTING		AMOUNT PULLED
<u>20"</u> 13 3/8'	CONDUC 61.0		45'		30" 17½"		Ready	Mix	NONE NONE
13 370	54.5		2359'		1 (2 ''	1400	SX HLW	······································	NONE
29.		LINER RE	CORD			30.	Т	UBING RECO	RD
SIZE	TOP (MD)	BOTTOM (MD) SA	CKS CEMENT*	SCREEN (MI			EPTH SET (MI	PACKER SET (MD
N/A				,	-		/A		
31. PERFORATION RE	CORD (Interval,	size and num	iber)	 	32.	ACID, SI	HOT, FRACT	URE, CEMENT	SQUEEZE, ETC.
					DEPTH INT	ERVAL (MD			O OF MATERIAL USED
N/A					N/	Α			
33.*					DUCTION				
ATE FIRST PRODUCT	TION PRO	DUCTION MET	HOD (Flow	ving, gas lift, p	oumping—size	ind type of	pump)	shut	STATUS (Producing or -in)
ATE OF TEST	HOURS TESTER	СНОКЕ	SIZE	PROD'N. FOR	OIL-BBL.	GAS	—MCF.	PLUC WATER—BBL.	& ABANDONEI
		-		TEST PERIOD					GAS-OID RAILO
LOW. TUBING PRESS.	CASING PRESS		LATED UR RATE	OIL-BBL.	GAS-I	MCF.	WATER-	BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF G	AS (Sold weed to	on tuel nemte	->						
DESTORATION OF G	as (som, usca)	o juoi, vente	u, v.v.)					TEST WITNESS	SED BY
5. LIST OF ATTACH	MENTS			····				 .	
	71								
6. I hereby certify	that the forego	ing and atta	ched infor	mation is com	plete and corre	ct as deter	mined from	ıll available re	cords
SIGNED (Bull	· 		TITLE _	DISTRICT	ENGT	NEER	DATE	_9-22-81
								_ ~~~	

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

DIV	VISION OF OIL, GAS, AND	MINING		5. LEASE DESIGNATION	AND SERIAL NO.
				PATENTED	
(Do not use this form for p	OTICES AND REPORT roposals to drill or to deepen or publication for PERMIT—" for st	S ON WELLS lug back to a different r ich proposals.)	eservoir.	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
1. OIL GAS			· · · · · · · · · · · · · · · · · · ·	7. UNIT AGREEMENT N.	EMA
WELL WELL OTHE	WILDCAT				
	NE CODDODARION			8. FARM OR LEASE NA	K D
BELCO DEVELOPME 8. ADDRESS OF OPERATOR	NT CORPORATION			SUMMIT 9. WELL NO.	
P.O. BOX X, VER	NAL, UTAH 84078			1 – 4	
4. LOCATION OF WELL (Report location See also space 17 below.)	on clearly and in accordance with	any State requirements.	•	10. FIELD AND POOL, O	R WILDCAT
At surface				WILDCAT	
1502' FNL & 6	01' FEL (SE/NE)			11. SEC., T., R., M., OR : SURVEY OR AREA	BLK. AND
14. PERMIT NO.	15. ELEVATIONS (Show wheth		180	SEC 4, TlN,	R7E
43-043-30171	8242' Nat		5 82 m	12. COUNTY OR PARISH	
			,	SUMMIT	UTAH
Check	Appropriate Box To Indicat	e Nature of Notice,	Report Or O	ther Data	
NOTICE OF IN	TENTION TO:		Changendon	NT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHU	33 -4	REPAIRING 1	WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TE	REATMENT	ALTERING C.	
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OF	ACIDIZING	ABANDONME	NT* X
(Other)	CHANGE PLANS	(Other) (Note:	Report results of	of multiple completion tion Report and Log for	on Well
7. DESCRIBE PROPOSED OR COMPLETED proposed work. If well is dir nent to this work.) *	OPERATIONS (Clearly state all pert ectionally drilled, give subsurface	inent details, and give locations and measured	pertinent dates, i and true vertical	tion Report and Log for neluding estimated dat depths for all markers	rm.) e of starting any s and zones perti-
Verbal approval Mender of the D	to Plug and Abar epartment of Natu	ncon this wel aral Resource	ll was re es on Sep	eceived from tember 20,	Mike 1981.
5 Plugs we	re set as follows	7825' to 5400' to 2250' to	7925' 5500'	60 Sx Cmt c 60 Sx Cmt c 60 Sx Cmt c 60 Sx Cmt c 50 Sx Cmt c	lass "G" lass "G"
cleaned up when	ll be set and dry rig moves off. seeding and rehab	This office	will not	ify the BLM	tion 124
•					
	•				
8. I hereby certify that the foregoing	ng is true and correct				
(MBmal	<i>J</i>	מאמדמיים באונ	מחשותי	O E D M	00 3004
SIGNED /		DISTRICT ENG	TINCEK_	_ DATE SEPT	<u>22, 1981</u>
(This space for Federal or State	office use)				
APPROVED BY	F ANY:			DATE	·

TIN, RTE, S.L.B. & M.



N 89° 52'W

X = Section Corners Located

BELCO PETROLEUM CORP.

Well location, SUMMIT # 1-4, located as shown in the SEI/4 NEI/4 Section 4, TIN, R7E, S.L.B.& M. Summit County, Utah.

NOTE :

Basis of Bearings is from Solar Observations of the Sun.

Elev. Ref. Point 200' N42°08'37" E = 8279.72'

250

= 8291.10

200' \$47°51'23"E = 8235.90'

250'

= 8244.38

CERTIFICATE

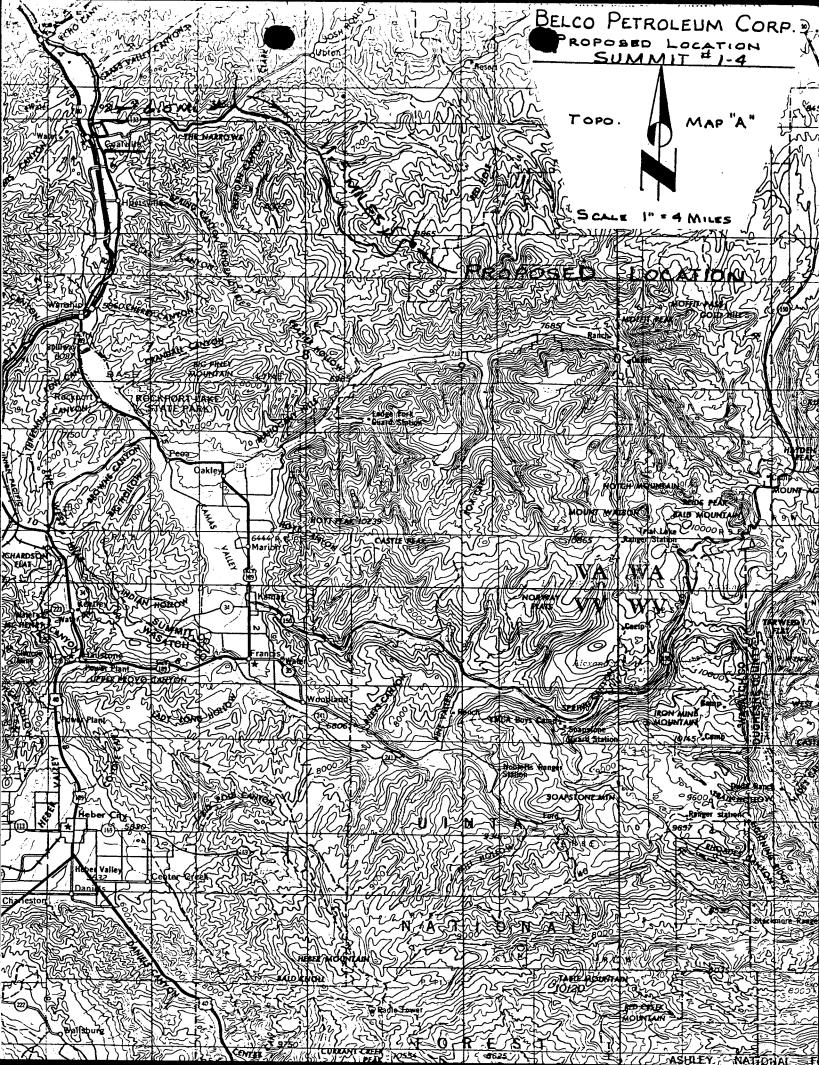
THIS IS TO CERTIFY THAT THE ABOVE PUAT HAS PREPARED FROM FIELE NOTES IF ACTUAL SURVEYS MADE BY ME OH CADER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CHRECT TO THE HEST OF MY KNOWLEDGE AND BELIEF

> REGISTERED LAND SURVEYOR REGISTRATION Nº 2454

STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078

SCALE	1" = 1000'		DATE 12/24/79
PARTY	D.A. K.H. M.H.	S.B.	REFERENCES GLO Plat
WEATHE	R Fair / Cool		FILE BELCO PETRO.



. GEOLOGIC SURFACE FORMATION:

2.

Wanship- Evanston

ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Upper Jurassic 4200':
Stump 4300'
Pruess 4800'
Twin Creek 6250'
Nugget 7900'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Upper Jurassic Possible oil & gas
Stump Possible oil & gas
Pruess Possible oil & gas
Twin Creek Oil-secondary objective

Nugget Oil-secondary objective

4. PROPOSED CASING PROGRAM:

a) Surf Csg: 13 3/8" 54.5#, K-55 to 600', cement to surface

b) Prod Csg: 5 1/2" 11.6#, K-55 to TD, will use enough cement to cover 200' above uppermost hydrocarbon zone.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows: 10", 3000 PSI hydraulic doublegate BOP or the equivalent. Pressure tests of BOP to 1000# will be made prior to drilling surface plug and on each trip for bit.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole will be drilled to approx. 4000' with 3% KCL water in order to clean the hole. From 4000' to TD it is planned to drill the well with mud. The mud system will be a water based, gel-chemical mud, weighted up to 10.5 ppg as required for gas control.

7. AUXILIARY EQUIPMENT TO BE USED:

Auxiliary equipment to be used will be a 2", 2000 PSI choke manifold and kill line, stabbing valve, kelly cock and visual mud monitoring.

8. TESTING, LOGGING AND CORING PROGRAMS:

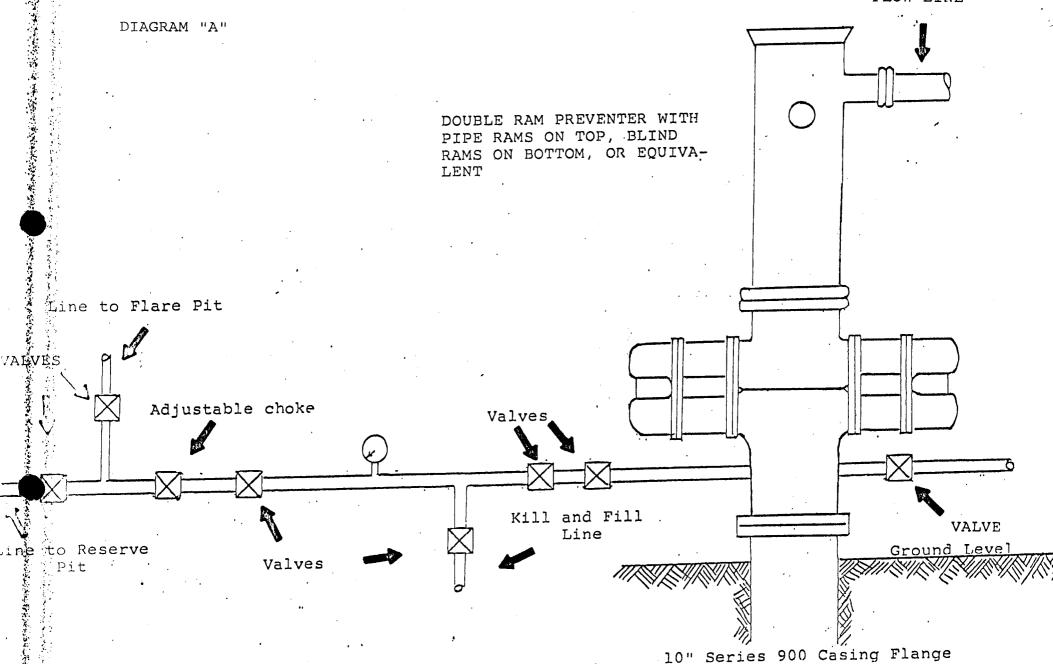
No coring or drill stem testing has been scheduled for this well. DST's may be run on significant shows. Logs will consits of DLL, CNL, FDC and GR w/caliper.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered, nor that any other abnormal hazards such as ${}^{\rm H}_2{}^{\rm S}$ gas will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

Anticipated starting date is 7-15-81. Drilling operations should be complete 2 1/2 weeks after they commence.



BELOD DEVELOPMENT CORPORATION DAILY DRILLING REPORT Friday, September 4, 1981

VERNAL DISTRICT

DEVELOPMENT WELLS

SUMMIT 1-4 (NF-WC)
Wildcat Field
Summit County, Utah
TD 8200' Nugget
Brinkerhoff #12
Belco WI .832%

6472' (113') 59. Drilling, Kelvin.
Drld 113' in 20½ hrs.
Survey @ 6380' 4 3/4° N19W, 6446' 4½° N18W.
Bit #18, 8 3/4", 3-12, ball, 146'/26½ hrs.
PP-1800 WT-20/25 RPM-66 GPM-287 BPM-6.84
Mud prop: MW-9.0 VIS-39 WL-7.4 Chl-350
AFE (csg pt) \$1,251,000
CUM cost \$1,273,081

CWU 56-29 (DW-GAS)
Chapita Wells Unit
Uintah County, Utah
TD 7910' Mesaverde
Chandler Rig #1
Belco WI 55.56%

7910' (81') 22. Work stuck pipe, Mesaverde Drill 81' in 4 3/4 hrs. Schlumberger complete DLL, CNL w/GR & caliper, l½ hrs. TIH, brk circ @ 4200', 5¼ hrs. Circ & cond mud 2½ hrs. TOH LDDP, 2 hrs. Work stuck pipe, bit @ 4859', collars @ 4241', good circ, no movement, 6 hrs. Bit #5, 7 7/8", F-3, 3 20/32, 81'/4 3/4 hrs. PP-1175 WT-32 RPM-60 Mud prop: MW-9.8 VIS-30 WL-11.6 Chl-122,000

Drlg Brks:

7826'-7861' (35') 4.0 1.0 5.0 300/300 NS AFE (csg pt) \$341,911 CUM cost \$347,421

BG-60

DC 51-8GR (DW-OIL)
Duck Creek Field
Uintah County, Utah
TD 5132' Green River
Jacobs Rig #2
Belco WI 100%

4930' (240') 17. Drilling, Green River.
Drld 240' in 24 hrs.
Bit #3, 8 3/4", M84F, 3 16/32, 2940/273 3/4 hrs.
PP-400 WT-28 RPM-70
Mud prop: MW-9.2 VIS-30 Wl-11.8 Chl-49,000
BG-180 CG-210

Drlg Brks:

4692'-4702' (10') 4.0 2.0 4.0 200/170 Flo & ct 4760'-4772' (12') 3.5 2.5 5.0 170/170 Flo & ct AFE (csg pt) \$206,000 (corrected) CUM cost \$177,164

ATCHEE 3-12 (DW-GAS)
Atchee Unit
Garfield County, CO
TD 7401' Dakota
Chandler Rig #7
Belco WI 9.375%

4562' (862') 13. Drilling, Mancos
Drld 862' in 21½ hrs, sur @ 4002' 2 3/4°, @ 4230'
3½°, 4481' 3½°, 2 3/4 hrs.
Bit #3, 7 7/8", FP-53, open jets, 1162'/30 3/4 hrs.
PP-140 WT-6 RPM-70
Mud prop: Air, 1700 SCFM, dusting
AFE (csg pt) \$424,000
CUM cost \$236,634

CEP 1 5 1981

DIVISION OF CIL, GAS & MINING

LOCATION STATUS CHAPITA WELLS UNIT PERMIT EXPIRED 8-13-81 53-33 54-34 PERMIT EXPIRES 9-16-81 55-20 PERMIT EXPIRES 10-27-81 57-29 PERMIT EXPIRES 10-27-81 COTTONWOOD BUTTES 1-30GR PERMITTED 2-30GR PERMITTED PERMITTED 3-20GR 4-30GR PERMITTED 5-30GR PERMITTED 6-30GR PERMITTED DUCK CREEK 9-16GR LOCATION BUILT, SURFACE SET 13-17GR PERMITTED 22-9 GR PERMITTED 23-16GR PERMITTED 25-17GR PERMITTED 27-9 GR PERMITTED 28-9 GR PERMITTED PERMITTED 29-9 GR 30-9 GR PERMITTED LOCATION BUILT, SURFACE SET 31-16GR PERMITTED 33-17GR 34-17GR PERMITTED NORTH DUCK CREEK 36-19GR PERMITTED 37-30GR WO STATE PERMIT, USGS PERMITTED 38-30GR PERMITTED 39-30GR PERMITTED DUCK CREEK 43-17GR PERMITTED 44-17GR PERMITTED 45-17GR PERMITTED 46-17GR PERMITTED 47-17GR PERMITTED 48-17GR PERMITTED 49-17GR WO USGS PERMIT, APD SUBMITTED 5-22-81 50-17GR LOCATION BUILT, SURFACE SET NORTH DUCK CREEK 60-29GR STAKED Wasatch 52-16 WO USGS PERMIT, INSP 5-28-81 Wasatch 54-9 PERMITTED Wasatch 55-9 PERMITTED 56-8 GR WO USGS PERMIT, APD SUBMITTED 5-29-81 57-8 GR WO USGS PERMIT, APD SUBMITTED 5-21-81 58-8 GR PERMITTED 59-8 GR PERMITTED BRENNAN BOTTOMS ON SITE INSP 9-3-81 3 - 14NATURAL DUCK 13-21GR PERMITTED 15-21GR PERMITTED 16-20GR PERMITTED 17-20GR PERMITTED 18-20GR PERMITTED 19-20GR PERMITTED 20-20GR PERMITTED PERMITTED 21-20GR PERMITTED 22-20GR PERMITTED 23-20GR WO USGS PERMIT, INSP 5-8-81 STAGECOACH 20-7 LOCATION BUILT, SURFACE SET COLORADO WELLS ATCHEE UNIT STAKED MAY NOT DRL, EXPENSIVE LOCATION 1-11 STAKED MAY NOT DRL, EXPENSIVE LOCATION 4-13 PERMITTED, BUILDING LOCATION 5-2 WO USGS PERMIT, INSP 7-21-81 6-24 BUTTERMILK CANYON PERMITTED, BUILDING LOCATION 3~3 NOT STAKED, ROUGH TERRAIN, EXPENSIVE LOCATION WO USGS PERMIT, INSP 8-15-81 WO USGS PERMIT, INSP 8-15-81 4-33 5-4 6 - 4STAKED, MAY NOT DRL, EXPENSIVE LOCATION 7-3 8-3

PERMITTED PERMITTED

9-10

LOCATION STATUS PAGE 2

CONTINUE								
BUTTERMILK, CANYON	11-18 12-7 13-31	WO USGS PERMIT, INSPECTED 8-31-81						
LINKE	.1-11	LOCATION BUILT (RIG CANCELLED, LEASE PROBLEMS)						
	·	CONNECTION STATUS						
NATURAL BUTTES STATE	2-36G	LAYING PIPELINE						
WHITE RIVER	42-34	WO MTN FUEL FOR TIE IN, WO ROW, WELL SITE EQUIPMENT SET, PIPELINE BEING LAID						
CHAPITA WELLS	49-25	WO MTN FUEL FOR TIE IN, WO ROW, WELL SITE EQUIPMENT SET, PIPELINE BEING LAID						
CHAPITA WELLS FED	1-4 1-5	WO CIG FOR TIE IN, WO ROW, NO CIG EQUIP SET WO CIG FOR TIE IN, WO ROW, NO CIG EQUIP SET						
DUCK CREEK	4-7							
BRENNAN BOTTOMS	_1-15	WO SALES HOOK UP						

September 25, 1981

Belco Development Corporation P.O. Box X Vernal, UT 84078

Re: Well No. Summit #1-4
Sec. 4, T. IN, R. 7E, SE SE
Summit County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

TERRI REID CLERK-TYPIST

Enclosure

TILE IN QUADRUPLICATE FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number	: Sumr	nit #1-4								
Operator: _Belco	retroleum	Corporati	on Addr	ess:	445 Laker	Union E wood, C	Slvd., Si olorado	uite 209 80228		
Contractor: Brink	erhoff-Signa	al Kig #12	Addr	ess:	Caspe	r, wyo	ming			
Location_SE 1/4_	<u>NE</u> 1/4; Sec	. <u>4</u> T.	1 N,	R. <u>7</u>	<u>E</u> ;	Summi	t	County.		
<u>Mater Sands</u> :										
<u>Depth</u> :	Depth:			olume:				<u>Quality</u> :		
From- T	o-	Flow	Rate or	Head			Fresh or	Salty		
1. None enco	untered.				·····					
2.	"Martin white we thank "mark constituted" any stage stage stage and search				·					
4.			*	w	·					
5.										
	(Continue on Reverse Side if Necessary)									
Formation Tops: Remarks:	Wasatch - Echo Cgl Frontier - Kelvin F Stump -	2710 3886 5435		Froi	ntier,	/Fault	8038			
	iminishing su on this form							d		

Regulations and Rules of Practice and Procedure.

please forward a copy along with this form.

(c) If a water analysis has been made of the above reported zone,

October 6, 1981

Belco Development Corp. P.O. Box X Vernal, Utah 84078

Re: Well No. Summit 1-4
Sec. 4, T. 1N, R. 7E
SUMMIT County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours, <

DIVISION OF OIL, GAS, AND MINING

TERRI REID CLERK-TYPIST

Enclosure

December 16, 1981

Belco Petwoleum Corp. P. O. Box X Vernal, Utah 84078

Re: Well No. Duck Creek #41-8 GR Sec. 8, T. 9S, R. 20E Uintah County, Utah

> Well No. Summit 1-4 Se. 4, T. 1N, R. 7E Summit County, Utah SECOND NOTICE

Gentlemen:

This letter is to advise you that the Well Completion or Reocmpletion Report and Log for the above mentioned wells is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3m in dupkicate, and forward them to this office as soon asspossible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

CARI FURSE CLERK TYPIST



Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771 Jnauary 13, 1982

Belco Petroleum Corporation P. O. Box X Vernal, Utah 84078

> Re: Well No. Duck Creek #32-17GR Sec. 17, T. 9S, R. 20E Uintah County, Utah

> > Well No. Chapita Wells Unit #56-29 Sec. 29, T. 9S, R. 23E Uintah County, Utah

Well No. Summit 1-4 Sec. 4, T. 1N, R. 7E Summit County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 9-16-81, 12-2-81, and 9-22-81, from above referred to wells, indicates the following electric logs were run: DLL, CNL, GR W/Caliper, GR-CBL-CLL--Chapita #56-29, DLL, CNL, W/GR & Caliper, GR, CBL, CCL-- Summit 1-4, Dipmeter to 8135', Caliper, DLL, SONIC, GAMMA, CNL & FDC. As of todays date, this office has not received these logs: Duck Creek #32-17GR, GR-CBL-CLL-- Chapita #56-29, GR, CBL, CCL-- Summit 1-4, Dipmeter to 8135', Caliper.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Clerk Typist